

CLAIMS

We claim:

1. A stand alone fault tolerant Internet communications system comprising:
 - a. an independent multipurpose programmable processor;
 - b. at least one independent memory element to which said independent multipurpose programmable processor is responsive;
 - c. at least one communications element which is responsive to said independent multipurpose programmable processor;
 - d. at least one router element which is responsive to said communications element; and
 - e. at least one independent data server element which is responsive to both said independent multipurpose programmable processor and said at least one independent memory element.
2. A stand alone fault tolerant Internet communications system as described in claim 1 and further comprising an independent operating system element to which said independent multipurpose programmable processor is responsive to at least some functionality.
3. A stand alone fault tolerant Internet communications system as described in claim 2 wherein said independent operating system element comprises a flash memory element.
4. A stand alone fault tolerant Internet communications system as described in claim 2 wherein said independent operating system element comprises a reduced functionality operating system element.
5. A stand alone fault tolerant Internet communications system as described in claim

1 and further comprising a remote administration element to which said independent multipurpose programmable processor is responsive.

6. A stand alone fault tolerant Internet communications system as described in claim 1 and further comprising a remote configuration element to which said independent multipurpose programmable processor is responsive.

7. A stand alone fault tolerant Internet communications system as described in claim 6 wherein said remote configuration element comprises a Web browser element.

8. A stand alone fault tolerant Internet communications system as described in claim 6 wherein said remote configuration element comprises a disparate operating system element.

9. A stand alone fault tolerant Internet communications system as described in claim 6 wherein said remote configuration element comprises a flash memory element.

10. A stand alone fault tolerant Internet communications system as described in claim 1 and further comprising a redundant operating system element to which said independent multipurpose programmable processor is responsive to at least some functionality.

11. A fault tolerant Internet communications system comprising:

- a. a computer;
- b. at least one communications element which is responsive to said computer;
- c. at least one router element which is responsive to said communications element;
- d. at least one data server element which is responsive to computer;

- e. an integrated firewall element to which said communications element is responsive; and
- f. an independent operating system element to which said computer is responsive to at least some functionality.

5 12. A fault tolerant Internet communications system as described in claim 11 wherein said independent operating system element comprises a flash memory element.

13. A fault tolerant Internet communications system as described in claim 11 wherein said independent operating system element comprises a reduced functionality operating system element.

10 14. A fault tolerant Internet communications system as described in claim 11 and further comprising a remote administration element to which said computer is responsive.

15 15. A fault tolerant Internet communications system as described in claim 11 and further comprising a remote configuration element to which said computer is responsive.

16. A fault tolerant Internet communications system as described in claim 15 wherein said remote configuration element comprises a Web browser element.

20 17. A fault tolerant Internet communications system as described in claim 15 wherein said remote configuration element comprises a disparate operating system element.

18. A fault tolerant Internet communications system as described in claim 11 and further comprising a redundant operating system element to which said computer

is responsive to at least some functionality.

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19. A fault tolerant Internet communications system comprising:
- a. a computer;
 - b. at least one communications element which is responsive to said computer; and
 - c. a reduced functionality operating system element to which said computer is responsive.
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20. A fault tolerant Internet communications system as described in claim 19 wherein said reduced functionality operating system element comprises a flash memory element.